

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An electric motor, comprising:

a plurality of stator sections, each stator section comprising an outer housing and a plurality of laminations stacked and held within the outer housing, the plurality of laminations having aligned central openings and aligned radially outlying openings to receive conductors disposed generally longitudinally therethrough, wherein the plurality of stator sections are mechanically and electrically coupleable to form a stator of a desired length; and

a single rotor shaft disposed through the plurality of stator sections.

2. (Original) The electric motor as recited in claim 1, wherein the plurality of stator sections includes:

a first stator section, having a plurality of conductors extending longitudinally therethrough;

a second stator section, electrically coupleable to an electrical power source and to the first stator section; and

a third stator section, electrically coupleable to the first stator section;

wherein electricity flowing through the plurality of stator sections produces a magnetic field that imparts rotative motion to the rotor.

3. (Currently amended) ~~The electric motor as recited in claim 1~~ An electric motor,
comprising:

a plurality of stator sections, each stator section comprising an outer housing,
wherein the plurality of stator sections are mechanically and electrically
coupleable to form a stator of a desired length; and

a single rotor shaft disposed through the plurality of stator sections, wherein at
least some of the plurality of stator sections are fluidly coupleable to allow a fluid flow
therethrough.

4. (Currently amended) ~~The electric motor as recited in claim 2,~~ An electric
motor, comprising:

a plurality of stator sections having:

a first stator section with a plurality of conductors extending longitudinally
therethrough;

a second stator section, electrically coupleable to an electrical power
source and to the first stator section; and

a third stator section, electrically coupleable to the first stator section, each
stator section comprising an outer housing, wherein the plurality of stator
sections are mechanically and electrically coupleable to form a stator of a
desired length, wherein electricity flowing through the plurality of stator
sections produces a magnetic field that imparts rotative motion to the
rotor; and

a single rotor shaft disposed through the plurality of stator sections, further
wherein the first stator section and the second stator section are fluidly coupleable to
allow fluid to pass between the first and the second stator sections.

5. (Currently amended) The electric motor as recited in claim 4 2, wherein the second stator section is fluidly coupleable to an external device.

6. (Original) The electric motor as recited in claim 1, further comprising a plurality of seals disposed between stator sections.

7. (Original) The electric motor as recited in claim 1, wherein at least one stator section includes a plurality of conductors terminating at a plurality of corresponding protrusions.

8. (Original) The electric motor as recited in claim 7, wherein at least one stator section includes a plurality of conductive elements configured for engagement with the plurality of corresponding protrusions when the stator sections are mechanically coupled.

9. (Original) The electric motor as recited in claim 8, wherein each conductive element includes a hollow receptacle sized to received a corresponding protrusion.

10. (Original) The electric motor as recited in claim 1, wherein at least one stator section is coupled to an adjacent stator section by a separate coupling device.

11. (Original) The electric motor as recited in claim 10, wherein the coupling device is configured to mechanically and electrically couple the at least one stator section to the adjacent stator section.

12. (Original) The electric motor as recited in claim 10, wherein each coupling device includes a plurality of receptacles to receive a corresponding plurality of protruding conductors.

13. (Original) The electric motor as recited in claim 1, wherein each stator section outer housing includes at least one of a threaded collar and a threaded end.

14. (Currently amended) A submersible pumping system, comprising:

a submersible electric motor, comprising:

a plurality of modular motor sections, each motor section comprising a stator section, ~~and~~ a housing section and at least one fluid passageway defining an outer surface of the submersible pumping system, wherein the modular motor sections are mechanically, ~~and~~ electrically and fluidly coupleable to form a motor of a desired length; and

a rotor disposed within the plurality of modular motor sections; and

a submersible pump drivingly coupled to the rotor of the submersible electric motor.

15. (Original) The submersible electric motor as recited in claim 14, wherein the plurality of modular motor sections includes:

a first stator section, having a plurality of conductors extending longitudinally therethrough;

a second stator section, electrically coupleable to a source of electrical power and to the first stator section; and

a third stator section, electrically coupleable to the first stator section;

wherein electricity flowing through the plurality of stator sections produces a magnetic field that imparts rotative motion to the rotor.

16. (Currently amended) ~~The system as recited in claim 15, further comprising~~ A submersible pumping system, comprising:

a submersible electric motor, comprising:

a plurality of modular motor sections, each motor section comprising a stator section and a housing section defining an outer surface of the submersible pumping system, wherein the modular motor sections are mechanically and electrically coupleable to form a motor of a desired length; and

a rotor disposed within the plurality of modular motor sections;

a submersible pump drivingly coupled to the rotor of the submersible electric motor; and

a motor protector, wherein the plurality of modular motor ~~first, second and third~~ stator sections are fluidly coupleable so as to allow fluid to pass between the ~~first stator section and the motor protector~~ and an adjacent modular motor section.

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously presented) An electric motor for a submergible pumping system, comprising:

a plurality of combined stator and outer housing sections adapted to form a motor of a desired length, wherein each of the plurality of combined stator and outer housing sections comprises at least one of a threaded collar and a threaded portion adapted to receive the threaded collar to enable each of the plurality of combined stator and outer housing sections to be

mechanically and electrically connected to an adjacent combined stator and outer housing section; and

a rotor shaft disposed through the plurality of combined stator and outer housing sections.

22. (Previously presented) The electric motor as recited in claim 21, wherein each of the plurality of combined stator and outer housing sections is fluidly coupleable to an adjacent combined stator and outer housing section.

23. (Previously presented) The electric motor as recited in claim 21, wherein each of the plurality of combined stator and outer housing sections comprises a plurality of conductive elements configured for engagement with a corresponding plurality of conductive elements in an adjacent combined stator and outer housing section.